

RECEIVED

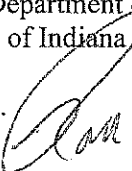
September 8, 2006

SEP 11 2006

Sent via Electronic and U.S. MailUIC BRANCH
EPA REGION 5

MEMORANDUM

To: Service List (attached)
USEPA, Underground Injection Control Branch (WU-16J)
Alan Tenenbaum, U.S. Department of Justice
Mary Ann Habeeb, State of Indiana

From: Ronald E. Hutchens, P.E. 

Subject: Progress Report No. 172
August 1 through August 31, 2006
Remedial Design/Remedial Action
Midco I and II Sites, Gary, Indiana

PROGRESS TOWARD IMPLEMENTING THE CONSENT DECREE

- Continued operation of the Midco I and II Sites' ground water extraction and treatment systems (GWETS) and injection of treated ground water.
- Collected the monthly effluent samples from the Midco I and II Sites' ground water treatment system (GWTS) on August 14, 2006.
- Submitted the Quarterly Operations, Maintenance, Monitoring and Closure and Ambient Air Progress Report No. 1 for the Midco I SVE system to the USEPA in a letter dated August 17, 2006.
- Completed the modified 4-Week Compliance Verification Test of the GWTS on August 14, 2006. Submitted the testing results in a letter dated August 23, 2006.
- Continued operations of the Midco I soil vapor extraction (SVE) system and the Midco II soil vapor extraction/air sparge (SVE/AS) system. Quarterly monitoring of the Midco I SVE system and monthly monitoring of the Midco II SVE/AS system were performed the week of August 28, 2006.

MIDCO DEEP INJECTION WELL OPERATING CONDITIONS

- Table 1 summarizes the daily maximum injection pressure, sight glass levels, and minimum differential between injection pressure and annulus pressure. Figures 1 and 2 present the operating flow rates at the Midco I and Midco II Sites' GWTS, respectively. Figure 3 presents the daily maximum injection pressures and flow rates. The daily sight glass levels are shown on Figure 4.

- Total volume of treated water injected:

| | Midco I Site | Midco II Site | Deep Well Site |
|---------------|--------------|---------------|----------------|
| August | 927,781 | 2,224,619 | 3,152,400 |
| Year-to-Date | 9,436,251 | 15,178,049 | 24,614,300 |
| Total-to-Date | 112,456,638 | 158,458,962 | 270,915,600 |

- Annulus system fluid removals - None
- Annulus system fluid additions - None
- Noncompliance occurrences - None

SYSTEM SHUTDOWNS

- Table 2 details the Midco I and Midco II Sites' non-GWETS-related shutdowns, and the scheduled and non-scheduled GWETS-related shutdowns.
- The Midco I Site had two non-GWETS-related shutdowns. Power failures occurred on August 17 at 11:11 A.M. for 34 minutes; and on August 21, 2006 at 9:08 P.M. for 547 minutes. The Midco II Site had four non-GWETS-related shutdowns. Power failures occurred on August 3 at 5:42 A.M. for 88 minutes; on August 3 at 10:50 P.M. for 495 minutes; on August 17 at 11:10 A.M. for 44 minutes; and on August 21, 2006 at 9:08 P.M. for 602 minutes.

SAMPLING AND TEST RESULTS

- The analytical results for the monthly effluent samples collected on July 24, 2006 at the Midco I and II Sites, were received from the data validator on August 23, 2006. The validated analytical results are presented in Tables 3 and 4. The effluent samples met the required maximum allowable concentrations (MACs).

PLANS AND PROCEDURES COMPLETED UNDER THE RD/RA PROJECT PLAN

- None during this reporting period.

ACTIVITIES TO BE CONDUCTED DURING SEPTEMBER 2006

- Continue operation of the Midco I and II Sites' GWETS and injection of treated ground water.
- Continue operation of the Midco II Site SVE/AS system.
- Continue operation of the Midco I SVE system.
- Revise and submit the various deliverables discussed with USEPA, IDEM, and Weston Solutions during the July 14, 2006 meeting.